

**Abstract**

5 The invention relates to a hip prosthesis having a shaft (1) which is implantable in the femur, and having a ball head (2) anchored on the shaft (1) by a conical clamp, for example, and having a socket (5) in which the ball head (2) is movably supported.

To reduce the tendency for luxation the invention provides that a bipolar  
10 shell (3) is situated between the ball head (2) and the socket (5), whereby the ball head (2) rotates in the bipolar shell (3) and the bipolar shell (3) rotates in the socket (5).

(Figure 6)